

Form PTO-1249 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE <b>FEB 15 2002</b> INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 7164.01	APPLICATION NO. 09/574,519
	APPLICANT Henderson et al.	
	FILING DATE May 18, 2000	GROUP ART UNIT 1655

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Inventor Name	Class	Sub-class	Filing Date (if appropriate)
<i>✓</i>	4,728,591	3/1/1988	Noel A. Clark. et al.	430	5	March 7, 1988
<i>✓</i>	5,143,854	9/1/1992	Michael C. Pirrung et al.	436	518	March 7, 1990
<i>✓</i>	5,348,261	1/24/1995	James L. Winkler et al.	436	518	November 22, 1991
<i>✓</i>	5,453,970	9/26/1995	Thomas F. Rust et al.	369	176	July 13, 1993
<i>✓</i>	5,571,639	11/5/1996	Earl A. Hubbell et al.	430	5	May 24, 1994
<i>✓</i>	6,004,617	12/21/1999	Peter G. Schultz et al.	427	8	June 7, 1995
<i>✓</i>	6,045,671	4/4/2000	Xin Di Wu et al.	204	298.11	April 22, 1997
<i>✓</i>	6,171,797 B1	1/9/2001	Michael G. Perbost	435	6	October 20, 1999
<i>✓</i>	6,239,273 B1	5/29/2001	R. Fabian Pease et al.	536	25.3	October 26, 1999
<i>✓</i>	6,284,497 B1	9/4/2001	Chandran R. Sabanayagam et al.	435	91.2	April 8, 1999
<i>✓</i>	6,287,850 B1	9/11/2001	Donald M. Besemer et al.	435	287.2	April 29, 1999
<i>✓</i>	6,309,831 B1	10/30/2001	Martin J. Goldberg et al.	435	6	February 5, 1999
<i>✓</i>	6,331,396 B1	12/18/2001	Robert H. Silverman et al.	435	6	September 23, 1999
<i>✓</i>	6,329,209 B1	12/11/2001	Peter Wagner et al.	436	518	July 14, 1999

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-class	Translation
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	Document Description
<i>✓</i>	Dontha, Narasaiah, et al. "Generation of Biotin/Avidin/Enzyme Nanostructures with Maskless Photolithography", Anal. Chem, Vol. 69, (1997), pgs 2619-2625
<i>✓</i>	Fritzsche, Wolfgang, et al. "Chicken Erythrocyte Nucleosomes Have a Defined Orientation along the Linker DNA-A Scanning Force Microscopy Study", Scanning, Vol. 19, (1997), pgs. 42-47
<i>✓</i>	Fritzsche, Wolfgang, et al. "Mapping elasticity of rehydration metaphase chromosomes by scanning force microscopy", Ultramicroscopy, Vol. 69, (February 1997), pgs. 191-200
<i>✓</i>	Fritzsche, Wolfgang, et al. "Ribosome substructure investigated by scanning force microscopy and image processing", Journal of Microscopy, Vol. 189, Pt 1, (January 1998), (pgs. 50-56)
<i>✓</i>	Fritzsche, Wolfgang, et al. "Application of Atomic Force Microscopy to Visualization of DNA, Chromatin and Chromosomes", Critical Reviews™ in Eukaryotic Gene Expression, Vol. 7, No. 3, (1997), pgs. 231-240
<i>✓</i>	Henderson, Eric "Molecular force detection and spectroscopy with the atomic force microscope", Science Progress, Vol. 81, No. 2 (1998), pgs. 141-151

EXAMINER <i>✓</i>	DATE CONSIDERED 3/14/02
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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						No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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✓	Henderson, Eric "Atomic force microscopy of conventional and unconventional nucleic acid structures", Journal of Microscopy, Vol. 167, (July 1992), pgs. 77-84
✓	Henderson, Eric, et al. "Actin Filament Dynamics in Living Glial Cells Imaged by Atomic Force Microscopy", Science, Vol. 257, (September 25, 1992), pgs. 1944-1946
✓	Jones, Vivian et al. "Microminiaturized Immunoassays Using Atomic Force Microscopy and Compositionally Patterned Antigen Arrays", Anal. Chem., Vol. 70 (1998), pgs. 1233-1241
✓	Lynch, Michael et al., "A Reliable Preparation Method for Imaging DNA by AFM", Microscopy Today, Vol. 99, No. 9, (1999); 1pg
✓	Mazzola, Laura, T. et al., "Discrimination of DNA Hybridization Using Chemical Force Microscopy", Biophysical Journal, Vol. 75, (June 1999), pgs. 2922-2933
✓	Mosher, Curtis, et al., "NanoArrays, The Next Generation Molecular Array Format for High Throughput Proteomics, Diagnostics and Drug Recovery", JALA, Vol 5, No. 5, (November 2000); pgs. 75-83
✓	O'Brien, Janese C., et al. "Immunosensing Platforms Using Spontaneously Absorbed Antibody Fragments on Gold", Analytical Chemistry, Vol. 72, No. 4, (February 15, 2000); pgs. 703-710
✓	Schaus, Scott S., et al., "Cell Viability and Probe-Cell Membrane Interactions of XR1 Glial Cells Imaged by Atomic Force Microscopy", Biophysical Journal, Vol. 73, (September 1997), pgs. 1205-1214

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